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5	268	706/47.ccls.	USPAT; EPO; JPO; DERWENT; IBM_TDB	2004/03/01 16:28
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7	10	706/47.ccls. and (intrusion attack virus)	USPAT; EPO; JPO; DERWENT; IBM_TDB	2004/03/01 16:28
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Mining in a data-flow environment: experience in network intrusion detection

Authors

Wenke Lee
 Salvatore J. Stolfo
 Kui W. Mok

Sponsors

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↑ **REFERENCES**

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AIS93 Rakesh Agrawal , Tomasz Imieliński , Arun Swami, Mining association rules between sets of items in large databases, Proceedings of the 1993 ACM SIGMOD international conference on Management of data, p.207-216, May 25-28, 1993, Washington, D.C., United States

Coh95 W.W. Cohen. Fast effective rule induction. In Machine Learning: the 12th International Conference, Lake Tahoe, CA, 1995. Morgan Kaufmann.

CS93 P.K. Chan and S. J. Stolfo. Toward parallel and distributed learning by meta-learning. In AAAI Workshop in Knowledge Discovery in Databases, pages 227-240, 1993.

FP97 T. Fawcett and F. Provost. Adaptive fraud detection. Data Mining and Knowledge Discovery, 1:291-316, 1997.

FPSS96 Usama Fayyad , Gregory Piatetsky-Shapiro , Padhraic Smyth, The KDD process for extracting useful knowledge from volumes of data, Communications of the ACM, v.39 n.11, p.27-34, Nov. 1996

JH94 N. Japkowicz and H. Hirsh. Towards a bootstrapping approach to constructive induction. In Working Notes of the Workshop on Constructive Induction and Change of Representation, 1994.

JLM89 V. Jacobson, C. Leres, and S. McCanne. tcpdump, available via anonymous ftp to ftp.ee.lbl.gov, June 1989.

LSM98 W. Lee, S. J. Stolfo, and K. W. Mok. Mining audit data to build intrusion detection models. In Proceedings of the 1st International Conference on Knowledge Discovery and Data Mining, New York, NY, August 1998. AAAI Press.

LSM99 W. Lee, S. J. Stolfo, and K. W. Mok. A data mining framework for building intrusion detection models, in Proceedings of the 1999 IEEE Symposium on Security and Privacy, May 1999.

MTV95 H. Mannila, H. Toivonen, and A. I. Verkamo. Discovering frequent episodes in sequences. In Proceedings of the 1st International Conference on Knowledge Discovery in Databases and Data Mining, Montreal, Canada, August 1995.

NFR Network Flight Recorder Inc. Network flight recorder, <http://www.nfr.com>, 1997.

Tur95 P.D. Turney. Cost-sensitive classification: Empirical evaluation of a hybrid genetic decision tree induction algorithm. Journal of Artificial Intelligence Research, 2(1995):369- 409, 1995.

↑ CITINGS 8

Kenji Yamanishi , Jun-Ichi Takeuchi , Graham Williams , Peter Milne, On-line unsupervised outlier detection using finite mixtures with discounting learning algorithms, Proceedings of the sixth ACM SIGKDD international conference on Knowledge discovery and data mining, p.320-324, August 20-23, 2000, Boston, Massachusetts, United States

Jeffrey Vetter, Performance analysis of distributed applications using automatic classification of communication inefficiencies, Proceedings of the 14th international conference on Supercomputing, p.245-254, May 08-11, 2000, Santa Fe, New Mexico, United States

Wenke Lee, Applying data mining to intrusion detection: the quest for automation, efficiency, and credibility, ACM SIGKDD Explorations Newsletter, v.4 n.2, p.35-42, December 2002

Wenke Lee , Wei Fan, Mining system audit data: opportunities and challenges, ACM SIGMOD Record, v.30 n.4, December 2001

Wenke Lee , Salvatore J. Stolfo , Kui W. Mok, Algorithms for mining system audit data, Data mining, rough sets and granular computing, Physica-Verlag GmbH, Heidelberg, Germany, 2002

Salvatore J. Stolfo , Wenke Lee , Philip K. Chan , Wei Fan , Eleazar Eskin, Data mining-based intrusion detectors: an overview of the columbia IDS project, ACM SIGMOD Record, v.30 n.4, December 2001

Wenke Lee , Salvatore J. Stolfo, A framework for constructing features and models for intrusion detection systems, ACM Transactions on Information and System Security (TISSEC), v.3 n.4, p.227-261, Nov. 2000

Christopher Kruegel , Giovanni Vigna, Anomaly detection of web-based attacks, Proceedings of the 10th ACM conference on Computer and communication security, October 27-30, 2003, Washington D.C., USA

↑ INDEX TERMS

Primary Classification:

H. Information Systems

↳ H.2 DATABASE MANAGEMENT

↳ H.2.8 Database applications

↳ **Subjects:** Data mining

Additional Classification:

C. Computer Systems Organization

↳ C.1 PROCESSOR ARCHITECTURES

↳ C.1.3 Other Architecture Styles

↳ **Subjects:** Data-flow architectures

↳ C.2 COMPUTER-COMMUNICATION NETWORKS

H. Information Systems

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↳ H.2.7 Database Administration

↳ **Subjects:** Security, integrity, and protection

K. Computing Milieux

↳ K.6 MANAGEMENT OF COMPUTING AND INFORMATION SYSTEMS

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Design, Experimentation, Management, Measurement, Performance, Security, Theory

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